

WHAT IS CLAIMED IS:

1 1. A tool for use with a manually operable material
2 removing apparatus having a power driven output shaft
3 arranged to oscillate about a predetermined axis, com-
4 prising:

5 an elongated member having a first section arranged
6 to be mounted on said output shaft so that the member
7 extends in a direction at least substantially normal to
8 said predetermined axis, and

9 a second section remote from said first section and
10 including at least one at least substantially straight
11 cutting edge at least sbstantially normal to said
12 direction.

1 2. The tool of claim 1, wherein said cutting edge
2 is provided with material removing elements selected from
3 the group consisting of cutting and grinding elements.

1 3. The tool of claim 2, wherein said material
2 removing elements comprise teeth.

1 4. The tool of claim 2, wherein said material
2 removing elements comprise industrial diamonds.

1 5. The tool of claim 2, wherein said material
2 removing elements comprise corundum.

1 6. The tool of claim 1, wherein said at least one
2 at least substantially straight cutting edge comprises two
3 adjoining sections disposed at an acute angle to each
4 other.

1 7. The tool of claim 6, wherein said acute angle
2 is between about 1.5° and about 4.6°.

1 8. The tool of claim 7, wherein said acute angle
2 is between about 1.5° and about 2°.

1 9. The tool of claim 1, wherein at least a major
2 part of said elongated member is flat.

1 10. The tool of claim 9, wherein said first section
2 of said elongated member is provided with an aperture for
3 said shaft.

1 11. The tool of claim 10, wherein said elongated
2 member is provided with a step intermediate said first and
3 second sections thereof, said step having a predetermined
4 height and further comprising a fastener arranged to attach
5 said first section to said shaft and extending beyond said
6 elongated member through a distance at least approximating
7 said height.

1 12. The tool of claim 1, wherein said elongated
2 member comprises means for facilitating removal of material
3 cut by said cutting edge.

1 13. The tool of claim 12, wherein said removal fa-
2 cilitating means comprises at least one slot provided in
3 said elongated member and extending between said first and
4 second sections.

1 14. The tool of claim 12, wherein said at least
2 one cutting edge has first and second ends and said removal
3 facilitating means comprises recessed portions at said ends
4 of said at least one cutting edge intermediate said first
5 and second sections.

1 15. The tool of claim 1, wherein said elongated
2 member has an at least substantially constant width at
3 least between said first and second sections thereof.

1 16. The tool of claim 1, wherein said member has
2 a substantially trapeziform outline.

1 17. The tool of claim 1, wherein said elongated
2 member further comprises a third section disposed between
3 said first and second sections and having a first width,
4 at least one of said first and second sections having a
5 second width different from said first width.

1 18. A tool kit for use with a manually operable
2 material removing apparatus having a power-driven output
3 shaft arranged to oscillate about a predetermined axis, com-
4 prising a plurality of discrete tools each including an
5 elongated member having a first section arranged to be non-
6 rotatably and separably mounted on said output shaft in
7 a position in which said member extends in a direction at
8 least substantially normal to said predetermined axis, and
9 a second section comprising at least one at least
10 substantially straight cutting edge at least substantially
11 normal to said direction upon mounting of the respective
12 first section on said output shaft.

1 19. The kit of claim 18, wherein said tools have
2 different parameters including at least one of the widths,
3 the distances between the first sections and the cutting
4 edges, and the lengths of the cutting edges thereof.

1 20. The kit of claim 18, wherein at least one of
2 said tools has means for facilitating evacuation of
3 material being removed by the cutting edge of the at least
4 one tool in actual use of the at least one tool.